

What is claimed is:

1. An ink jet printer comprising:

a line print type recording heads, respectively extending in a width direction of a recording medium, for jetting ink, which is to be cured by being irradiated with an ultraviolet ray, to the recording medium; and

a plurality of ultraviolet ray irradiating devices, having a plurality of ultraviolet ray sources, for irradiating the ink jetted by the recording heads with a plurality of ultraviolet rays, after arriving of the ink at the recording medium, to cure the ink,

wherein the ultraviolet ray irradiating devices are arranged on a downstream side of the recording heads in a feeding direction of the recording medium, and wherein a quantity of the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the ultraviolet ray irradiating device, which is arranged on the most downstream side in the feeding direction of the recording medium, is set to be larger than that of the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

2. The ink jet printer of claim 1; wherein the number of ultraviolet ray sources of the ultraviolet ray

irradiating device arranged on the most downstream side in the feeding direction of the recording medium is larger than that of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

3. The ink jet printer of claim 1; wherein the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the ultraviolet ray irradiating device, which is arranged on the most downstream side in the feeding direction of the recording medium, has a longer wavelength or more longer wavelength components than a wavelength or longer wavelength components of the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

4. The ink jet printer of claim 1; wherein each ultraviolet ray irradiating device is arranged on the downstream side of the corresponding recording head in the feeding direction of the recording medium.

5. The ink jet printer of claim 1; wherein each of the ultraviolet ray sources is one of a high pressure mercury lamp, a low pressure mercury lamp, a metal halide lamp, a cold cathode tube, a semiconductor laser and a

light emitting diode.

6. The ink jet printer of claim 1; wherein each of the ultraviolet ray sources is obtained by combining two of a high pressure mercury lamp, a low pressure mercury lamp, a metal halide lamp, a cold cathode tube, a semiconductor laser and a light emitting diode.

7. The ink jet printer of claim 1; wherein the ink is a cationic polymerization type ink.

8. An ink jet printer comprising:

a line print type recording heads, respectively extending in a width direction of a recording medium, for jetting ink, which is to be cured by being irradiated with an ultraviolet ray, to the recording medium; and

a plurality of ultraviolet ray irradiating devices, having a plurality of ultraviolet ray sources, for irradiating the ink jetted by the recording heads with a plurality of ultraviolet rays, after arriving of the ink at the recording medium, to cure the ink,

wherein the ultraviolet ray irradiating devices are arranged on a downstream side of the recording heads in a feeding direction of the recording medium, and wherein intensity of the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of

the ultraviolet ray irradiating device, which is arranged on the most downstream side in the feeding direction of the recording medium, is set to be higher than that of the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

9. The ink jet printer of claim 8; wherein the number of ultraviolet ray sources of the ultraviolet ray irradiating device arranged on the most downstream side in the feeding direction of the recording medium is larger than that of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

10. The ink jet printer of claim 8; wherein the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the ultraviolet ray irradiating device, which is arranged on the most downstream side in the feeding direction of the recording medium, has a longer wavelength or more longer wavelength components than a wavelength or longer wavelength components of the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

11. The ink jet printer of claim 8; wherein each ultraviolet ray irradiating device is arranged on the downstream side of the corresponding recording head in the feeding direction of the recording medium.

12. The ink jet printer of claim 8; wherein each of the ultraviolet ray sources is one of a high pressure mercury lamp, a low pressure mercury lamp, a metal halide lamp, a cold cathode tube, a semiconductor laser and a light emitting diode.

13. The ink jet printer of claim 8; wherein each of the ultraviolet ray sources is obtained by combining two of a high pressure mercury lamp, a low pressure mercury lamp, a metal halide lamp, a cold cathode tube, a semiconductor laser and a light emitting diode.

14. The ink jet printer of claim 8; wherein the ink is a cationic polymerization type ink.

15. An ink jet printer comprising:  
a line print type recording heads, respectively extending in a width direction of a recording medium, for jetting ink, which is to be cured by being irradiated with an ultraviolet ray, to the recording medium; and

a plurality of ultraviolet ray irradiating devices, having a plurality of ultraviolet ray sources, for irradiating the ink jetted by the recording heads with a plurality of ultraviolet rays, after arriving of the ink at the recording medium, to cure the ink,

wherein the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the ultraviolet ray irradiating device, which is arranged on the most downstream side in the feeding direction of the recording medium, has a longer wavelength or more longer wavelength components than a wavelength or longer wavelength components of the ultraviolet rays emitted from the ultraviolet ray source or the ultraviolet ray sources of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

16. The ink jet printer of claim 15; wherein the number of ultraviolet ray sources of the ultraviolet ray irradiating device arranged on the most downstream side in the feeding direction of the recording medium is larger than that of the other ultraviolet ray irradiating device or each of the other ultraviolet ray irradiating devices.

17. The ink jet printer of claim 15; wherein each ultraviolet ray irradiating device is arranged on the downstream side of the corresponding recording head in the

feeding direction of the recording medium.

18. The ink jet printer of claim 15; wherein each of the ultraviolet ray sources is one of a high pressure mercury lamp, a low pressure mercury lamp, a metal halide lamp, a cold cathode tube, a semiconductor laser and a light emitting diode.

19. The ink jet printer of claim 15; wherein each of the ultraviolet ray sources is obtained by combining two of a high pressure mercury lamp, a low pressure mercury lamp, a metal halide lamp, a cold cathode tube, a semiconductor laser and a light emitting diode.

20. The ink jet printer of claim 15; wherein the ink is a cationic polymerization type ink.